ies, 14), sed ylic iers. 8-4)

okal Nov

m A

iokai 3 Nov istant meta 09%) and a h was agth. Jpn. 27/32). intiship ⊈ I-II r made

ie-type g/ca particle to give n) were ttruded 4-mm ampared Takkyo Jet 1984. ted films

(LULA with an a 630 · m machine direction hich was to give a offectance of the film

1 Co., Ltd (54) (Cl (82; 5 pp prepd. b) laminate crosslinked ment, with e extruded 0.2 and 0.5 compn. m Ca pigment

(as removed

CaCus were

B.C. And a of a 1-rm ty ratio

kai Tokkys 8 Oct 194: re prepd. b) re, powder .0001-0.0024 oly(ethylene [127-09-3] n 3.6:1 in the n 3.6:1 in inverse in and urface.
Research inv Y 435] in 1981 in 1981 ins-realistant and jewelfy. are manufd. by mixing heat-resistant polymers, carbon, and glass, heating the mixt, to soften and fuse it, mixing in particles of hard metal oxides, nitrides, and/or carbides and optionally magnetic materials, and compression molding the compn. Thus, 5 parts nylon 6 [25038-54-4] and 1.5 parts poly(methylstyrens) (9017-21-4) were mixed at 400° with 15 parts carbon fibers, then with powd. graphite 25, glass beads 5, 510₂ 16, TiC 10, TiN 5, and silans coupling agents 5 parts, and compression molded into bars which after polishing had alters of tractions undersees

23. glass beads 5, SiO₂ 15, TiC 10. TiN 5, and silans coupling agents 5 parts, and compression molded into bars which after polishing had glossy, attractive surfaces.

100: 122442x Polypropylene films for shrink packaging. Mitsui Petrochemical Industries, Ltd. Jpn. Tokkyo Koho JP 58 45,976 [83 45,976 [83 45,976] (Cl. CO8L23/10), 18 Oct 1963, Appl. 78/43,399, 30 Apr 1976; 5 pp. The title films are prepd. by extruding mixts. of 70-85% cryst. propylene polymers and 5-30% 5-20-50-51-butene-octhylene random copolymer [1] [28087-34-7] (prepd. by V compd.-catalyzed polymn., d. 0.86-0.92) and biaxially drawing 3-10:1. Thus, a mixt of 90% 8:94 ethylene-propylene copolymer [9010-79-1] [melt index [MI] 6.0 (230°)] and 10% 12:88 I [MI 10.0 (190°)] was extruded to a 1.0-mm sheet which was drawn 5:1 biaxially and heated at 80-130° for 5-20 a to give a 28-u, heat-shrinkable, biaxially oriented film with hase 0.8%, shrinkage 10% (80°), impact strength 2200 kg-cm/cm (after shrinkage, at room temp.), min. film-forming temp. 120°, and Young's modulus 17,000 kg/cm², compared with 1.0, 5, 2000, 130°, and 18,000, resp., without I. 100: 122443a Polyethylene cable insulation. Hitacht Cabla, Ltd. Jpn. Kokai Tokkyo Koho JP 58,184,206 [83,184,206] (Cl. HO187/28), 27 Oct 1983, Appl. 82/66,939, 21 Apr 1982; 3 pp. Conductors are insulated with crosalinked, high-pressure polyethylene (1) [9007-89-4] (d. 0.925-0.935, malt index >0.5) to give wires and cables. Thus, a cable jacksted with I (d. 0.927, melt index 1) contg. 25 phr cumyl peroxide and 0.2 phr 4.4*-thiobis(6-tert-butyl-3-methylphanol) was left 18 mo. in water at 50 Hz and 3 kV with formation of 2200 trees/cm², compared with >10* for a cable prepd. from I with d. 0.920 and melt index 1.

100: 122444b Paper-based electric insulators. Hitacht Cable, 14d. Jpn. Kokai Tokkyo Koho JP 58,184.211 [83.184.211] (Cl. 10.91). Base of the preposition of 2200 trees/cm², compared with >10* for a cable prepd. from I with d. 0.920 and melt index 1.

100: 12244b Paper-based electric insulators. Hitachi Cable, i.d. Jpn. Kokai Tokkyo Koho JP 58,184,211 [83,184,211] (Cl. Hollsis/Od), 27 Oct 1983, Appl. 82/67,639, 22 Apr 1882; 2 pp. Swelling resistant high-tenacity paper-based elec. insulators are prept. by coating paper with a polyolefin extrudate and then suctioning the material to cause penetration of the polyolefin into the paper.

swelling resistant high-tenacity paper-based elec. Insulators are pred. by coating paper with a polyolefin extrudate and then pred. by coating paper with a polyolefin extrudate and then pred. by coating paper with a polyolefin extrudate and then paper.

100: 122446c Electric insulation. Mitsubishi Heavy Industries, 100: 122446c Electric cinsulation. Mitsubishi Heavy Industries, 110: 122446c Electric cinsulation. Mitsubishi Heavy Industries, 110: 122446c Electric cinsulation between a Cu plate and a rough steel plate can be supproved by insertion of an insulating layer which is coated with a unsaid polyester coating material layer contg. glass flakes and a polyester reain putty, an epoxy resin putty, or the like. Thus, an unsaid polyester coating material layer contg. glass flakes and a colyster putty layer were bonded to a Cu plate by means of an acrylic edhesive to give a plate having good elec. insulation, tensils ashesive shear strength 120 kg/cm², and peel strength 16 kg/25 mm. 100: 122446d Adhesive tapes. Matner, Martin: Stahl, Ham Georg. Labrocki, Karl (Bayer A.-C.) Ger. Offen. DE 3,220,486 (Cl. 10217/02). 69 Dec 1893, Appl. 03 Jun 1982; 12 pp. A polyester is cad as a primer on a PVC [9002-86-2] or polypropylene 1900-67-0] film to improve the adhesion to an adhesive in the prep. of adhesive tapes. The polyester is applied in an aquiperion, eliminating the use of org. solvents previously used. The adhesive is a natural rubber-roain ester mixt., a styram-acrylate salv copylenger, etc. Thus, PVC (film was costed with a margination of a polyester (1.5 g/L5), dried at 60°, coated with a transportation of a polyester (1.5 g/L5), dried at 60°, coated with a transportation of a polyester of the primer than to itself.

[101: 123447 Sheets for electronic part packaging. Reliko and Cl. Lid. Jpn. Kekai Tokkyo Kohe JP 55,193,146 [25,193,146] (Cl. B32B15/68), 10 Nev 1883, Appl. 82/76,086, 08 May 1882; 6 pp. Sheets for electronic part packaging are pred by wearnership of the packaging and partition of the packaging andi

100: 122449g Ion exchangers selective for boron. Maier, Mircoa; Cracium, Vasile (Combinatul Chimic, Victoria) Rom. RO 81,229 (Cl. CO8F12/36), 30 Jan 1983, Appl. 102,933, 24 Dec 1980; 2 pp. B-selective anion exchangers are meanufel by aminating chloromethylated polymers with N-mathylgiucamins (I) at 80-95° in DMF [68-12-2] or DMF-water mixts. Thus, 270 mL styrene, 43 mL 46% divinylbenzene, 18.6 mL ecrylonitrile, 3 g BirOs, and 45 g polystyrene (II, mol. wt. 73,000) were added to 1000 mL water, 2 g poly(vinyl alc.), and 20 g NaCl under stirring, and the reaction mixt. was treated 4 h at 70° and 4 h at 90° to give a copolymer that was extel. with dichloroethane to remove II and chloromethylated to give a macroporous product contg. 19.18% Cl. 270 ML DMF contg. 150 g I was added to 150 mL DMF contg. 60 g chloromethylated copolymer at 80°, and the mixtwas heated 4.5 h at 90° with stirring to give a weakly besic anion axchanger with total volumetric capacity 1.37 meq/mL, mech. atrength 98%, camotic—shock stability 98.5%, and B-retention capacity ≥4.5 mg/mL in an aq. soln. with aslinity 0-1000 mequiv NaCl/L.

capacity ≥4.5 mg/mL in an eq. soln. with aslinity 0-1000 mequiv NaCl/L.

100: 122459a Antistatic protective paper coverings for decorative plastic sheets. Daio Kakoshi Kogyo K. K. Jpn. Kokai Tokkyo Koho JP 58,191,777 (83,191,777) (Cl. C09J7/02), 09 Nov 1983, Appl. 82/76,216, 06 May 1982; 4 pp. Antistatic adhesive paper for protection of a plastic sheet, preventing dust attraction and leaving no stains on the decorative plastic surface after pecling, is prepd. from a water-sol. synthetic and/or natural polymer adhesive comtg. a surfactant. Thus, kraft paper (40 g/m²), coated (at 10 g/m²) with an adhesive compn. comprising 20% aq. poly(uiny) dc.) (I) [9002-86-5] 100, polyethylene glycol 5, and 30% aq. anionic surfactant 10 parts, was sprayed with steam and applied to a PVC [9002-86-2] sheet for ≥24 h at 20° and 65% relative humidity. The PVC sheet, after removal of the paper, exhibited surface resistivity 1.7 × 10½ Ω at 500 V, half—life for electrostatic charge dissipation ≤1 a at 1 kV, and ash secumulation after 20 rubbing cycles 0 cm (all at 20° and 65% relative humidity), compared with ≥1.6 × 10¼ Ω, ≥2 min, and 6.0 cm, reap., when an adhesive comprising only I was used.

100: 1224516 Electrically conductive adhesive pastes. TDK Corp. Jpn. Kokai Tokkyo Koho JP 58,196,280 [83,196,280] (Cl. C09J3/14), 15 Nov 1883, Appl. 82/79,583, 12 May 1982; 3 pp. A chip-shaped condenser is joined to a printed circuit board at room temp. in a short time without temporary attachment using an acrylic polymer-based anserobic adhesive paste contg. an elec. conductive powder.

100: 122452c Amine resin adhesives. Nisshin Flour Milling Co.

powder.

100: 122452c Amino resin adhasives. Nisshin Flour Milling Co.,
Ltd. Jpn. Kekal Tokkye Kohe JP 58,196,281 [83,198,281] (Cl.
C09J3/16), 15 Nov 1983, Appl. 62/78,420, 12 May 1982; 4 pp.
A stable amino resin adhesive compn. maintaining high viscosity and

100: 122452c Amine resin adhasives. Nisshin Flour Mining Co., Ltd. Jpn. Rekal Tekkye Kohe JP 58,196,281 [53,196,281] (Cl. C0313/16), 18 Nov 1983, Appl. 82/78,420, 12 May 1982; 4 pp. A stable amine resin adhesive compn. maintaining high viscosity and homogeneity for a long time contains a rice or corn flour and CM-callulose and/or Na alginate [9005-88-3]. Thus, an adhesive mixt comprising urea-formaldehyde resin [9011-05-6] 100, rice flour (5100 mesh) 25, Cellogen [9004-32-4] 0.25, water 18, and NHACI 0.3 part formed a homogeneous soin, and exhibited viscosity 21 P initially and 22 P after 180 min, compared with 18 and 88 P, resp., when the compn. did not contain rice flour.

100: 122453d Melamine resin decorative beards. Aica Kogyo Co., Ltd. Jpn. Rekal Tekkyo Reho JP 58,197,053 [53,197,053] (Cl. B32B27/42), 16 Nov 1983, Appl. 82/79,562, 12 May 1982; 3 pp. Nombrittis decorative boards are manufd. in a process suitable for continuous prodn. by laminating core sheets of paper impregnated with rapid—curing melamina-phenolic resin compans, and surface sheet impregnated with melamine resins. Thus, four sheets of 120-g/m² kraft paper impregnated with melamine resins. Thus, four sheets of 120-g/m² kraft paper impregnated with melamine resin initial condensate to 80% resin content were placed over a surface sheet of 50-g/m² e-cellulose paper impregnated with melamine resin initial condensate to 80% resin content, and pressed at 140° and 30 kg/cm² for 10 a to obtain a laminate which could be bent to min radius 8 mm without cracking, compared with 10 mm for a board prepd. similarly using phenolic resori—impregnated core sheets, which required 30 min to cure.

100: 1224646 Streethed laminated plastic containers. Toyobo Co., Ltd. Jpn. Rokal Tekkyo Robo JP 58,197,069 [33,197,060] (Cl. B23B27/36), 16 Nov 1983, Appl. 82/80,791, 12 May 1982; 6 pp. Gas-barrier containers having encellent mech. strength and durability comprised laminates of an ethylence terephthalate) (I) [25038-69-9] (intrinsic viacosity 0.75 dL/g in 64 PhOH/ChH